

25 YEAR RE-REVIEW

The performance characteristics of the existing M camera are as follows:

Type: Petzval Panoramic

Lens: F 3.5

Focal length: 24"

Format (single scan): 2.25" x 31.63"

System Resolution: 120 L/mm SO-132 low contrast

Scan Angle: 70°

Ground Resolution: 1'

System Weight: 150 lbs. approx. (Including film 7000 ft with Mod can go to 14,000 ft and 180 lbs.)

Scale: 1" = 2900' @ K+ 20

The camera system features include:

1. Supply and take-up cassettes
2. Stereo with two cameras if required (7000 ft film hood in ea.)
3. Adjustable V/H in flight
4. Variable exposure (pre-set)
5. Two sec. -6 sec. cycle rates. 50% to 80% overlap
6. Photogrammetric accuracy with horizon optics
7. Qualified optics and alignment for consistent resolutions
(virtually unaffected by shock and vibration)
8. Trouble-free for 200,000 cycles
9. Readily adapted to aircraft
10. Minimum power requirements: 140 watts + 28 VDC, 115VAC, 400 cycles
11. Supply capability: 7000 ft. SO-13 - 2500 ground miles @ 10% overlap linear
12. Ease of checkout, loading and pre-flight preparations
13. Field service crews already trained in use of both camera and aircraft.
14. Ease of processing and handling 70 mm film

Listed below are possible mods to the existing system for aircraft use

1. Rework of clock
2. Design and fabrication of pilot control box
3. Procurement and installation of window in aircraft hatch (if required)
4. Design and installation of camera mount.
5. Possible takeup cassette mounts
6. Cables as required for specific aircraft
7. Film track rollers and guides
8. Gear change in Motor drive

SCHEDULE

Delivery of four by May no problem if no acceleration occurs
on present delivery schedule (as paced by Mods as paced
customer requirements)